

ABSTRACT

A system for reducing tilt effects in a radio frequency (RF) attenuator includes an RF attenuator having at least one series diode, and at least one shunt branch including at least one shunt diode, the shunt branch being electrically coupled to the series diode, and a parallel resonant circuit electrically coupled to each of the at least one shunt branch, wherein the parallel resonant circuit is configured to compensate for a parasitic reactance in the RF attenuator.